

Message Text

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71

ACTION EUR-12

INFO OCT-01 ISO-00 FEA-01 ACDA-10 CEQ-01 CIAE-00 DOTE-00

EPA-04 HEW-06 HUD-02 INR-07 INT-05 L-03 NSAE-00

NSC-05 NSF-02 OIC-02 PA-02 PM-04 PRS-01 SAJ-01 OES-06

SP-02 SS-15 TRSE-00 USIA-15 ERDA-07 /114 W

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FM AMEMBASSY BONN

TO SECSTATE WASHDC 8139

INFO USMISSION NATO BRUSSELS

AMCONSUL DUSSELDORF

UNCLAS BONN 06406

E.O. 11652: N/A

TAGS: CCMS, ENRG

SUBJ: CCMS: AUTOMOTIVE PROPULSION SYSTEMS, (A) FRG
RESEARCH TOWARDS DEVELOPMENT OF ADVANCED
CERAMIC TURBINE ENGINE; (B) MEMORANDUM OF
UNDERSTANDING ON DEVELOPMENT OF LOW POLLUTION
POWER SYSTEMS FOR MOTOR VEHICLES (LPPSD)

REF: STATE 089767

1. EMBOFF TALKED WITH APPROPRIATE FRG OFFICIAL AT
RESEARCH AND TECHNOLOGY MINISTRY RE SUBJECT (A)
ABOVE. MINISTRY OFFICIAL NOTED THAT THIS WAS A
COMMERCIALLY SENSITIVE TOPIC AND DISCUSSION WAS
LIMITED TO GENERALITIES.

2. FRG IS TAKING TWO APPROACHES IN DEVELOPMENT OF A
CERAMIC TURBINE ENGINE: (1) DEVELOPMENT OF THE
CERAMIC MATERIAL ITSELF AND (2) APPLICATION OF THE
CERAMIC MATERIAL IN TURBINE ENGINES. THE PROJECT
DOES NOT HAVE TOP PRIORITY CURRENTLY AS FRG IS
WAITING TO SEE RESULTS OF INITIAL RESEARCH AND
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EXPERIMENTS. SOME CONSIDERATION HAS BEEN GIVEN FOR

USING SUCH ENGINES IN STREETCARS, AND VOLKSWAGON IS WORKING ON A CERAMIC TURBINE ENGINE PROJECT. ONE OF PRIMARY EXPERIMENTAL PROJECTS IS TO SEE HOW CERAMIC MATERIAL WITHSTANDS HIGH HEA. MINISTRY OFFICIAL ALSO NOTED THAT A CERAMIC ENGINE MAY OFFER BETTER ENVIRONMENTAL PROTECTION .

3. RE SUBJECT (B) ABOVE SEE BONN 02705.
HILLENBRAND

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Margaret P. Grafeld
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